

# OPTICAL SENSOR CLEANER

## Abstract

A paper path optical sensor cleaner is provided having a substrate sheet with strips of open cell foam adhered across the width of the sheet. The optical sensors to be cleaned are non-contact sensors that are located below the plane of the paper path. The strips of open cell foam have a height greater than the distance from the paper path to the top of the sensor and a width that is sufficiently narrow to allow the cleaning strips to expand to clean a sensor located in close proximity to a paper path roller. As the substrate is fed through the paper path, the strips of open cell foam are vertically compressed when passing through the paper path feeder rollers. As the strips begin to pass each roller, the leading edge of the open cell foam partially expands downward to contact the sensor followed by the rest of the strip.